

Morbidity and Mortality

Weekly Report

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

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Prepared by the COMMUNICABLE DISEASE CENTER MEIrose 4-5131

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For release January 26, 1962

ATLANTA 22, GEORGIA

PROVISIONAL INFORMATION ON SELECTED NOTIFIABLE DISEASES IN THE UNITED STATES AND ON DEATHS IN SELECTED CITIES FOR WEEK ENDED JANUARY 20, 1962

INFLUENZA - Outbreaks of acute febrile respiratory disease continue to span the United States in an arc from Southern California to Florida. Many new outbreaks have been reported falling along the arc, predominantly in the Midwest and in the Southeast. Worthy of mention in this regard are the States of Kansas, Kentucky, Tennessee, and Georgia.

Five States report the presence of influenza-like outbreaks for the first time - Alabama, North Carolina, Ohio, Oklahoma, and Texas - bringing the total number of States reporting outbreaks this season to 21. In New York and Massachusetts previously reported outbreaks have remained localized.

Washington confirms Influenza B in several additional counties, New Mexico in one county by serologic titer rises, and Georgia in one county by isolation of the virus. Ten States have now confirmed Influenza B.

Deaths from pneumonia and influenza in 108 United States cities are moderately elevated above expected levels for the third consecutive week (see accompanying graph, p. 19). Excess mortality is now recorded in six of the nine geographic divisions of the country.

In the last two months, three European countries - United Kingdom, Spain, and Denmark - have confirmed the presence of Influenza B.

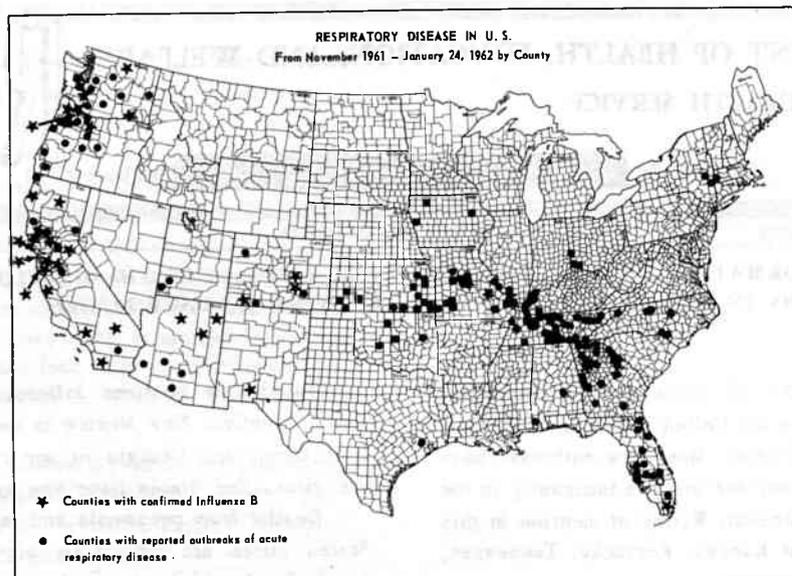
Massachusetts - Commencing in towns along the

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous week)

Disease	3rd Week			Cumulative		
	Ended	Ended	Median 1957 - 1961	First 3 weeks		Median 1957 - 1961
	January 20, 1962	January 21, 1961		1962	1961	
Aseptic meningitis.....	18	24	---	38	64	---
Brucellosis	7	8	11	21	23	34
Diphtheria	5	25	24	40	72	69
Encephalitis, infectious.....	29	19	19	65	65	63
Hepatitis, infectious and serum...	1,580	1,803	519	4,118	4,272	1,379
Measles	7,306	8,389	8,309	20,790	23,109	23,109
Meningococcal infections.....	51	62	53	151	160	168
Poliomyelitis, total.....	10	8	16	26	33	58
Paralytic.....	8	5	14	14	18	38
Nonparalytic.....	1	2	1	5	4	22
Unspecified.....	1	1	1	7	11	8
Streptococcal sore throat and Scarlet fever	8,305	8,653	---	21,866	24,706	---
Tetanus	-	---	---	3	---	---
Tularemia	6	---	---	26	---	---
Typhoid fever	8	11	11	14	19	37
Typhus fever, tick-borne, (Rocky Mountain spotted).....	-	---	---	1	---	---
Rabies in Animals.....	57	58	83	173	142	226

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

Anthrax:	Psittacosis: Wis. - 1
Boutism:	Rabies in Man:
Malaria:	Smallpox:
Plague:	Typhus, murine:



Housatonic River in Western Massachusetts, an influenza-like illness has spread to involve the entire southern half of Berkshire County. School children in all grades have been affected, but the disease appears to be milder in high school students.

New York - Daily reports of school absenteeism from Albany County indicate that influenza-like disease is increasing. The median school absenteeism for the county on January 22 was 24%, is a marked increase over the median of 14% reported last week.

Ohio - Several outbreaks of upper respiratory disease compatible with influenza have occurred in school children and teachers in Southwest Ohio. Some Cincinnati schools and three in adjacent counties have reported school absenteeism from 12 to 29 percent, commencing the second week of January.

North Carolina - Acute febrile respiratory illness has been reported from the central part of North Carolina. Several cities have increased school absenteeism - Winston-Salem, Greensboro, and Raleigh. An epidemic in Robeson County, further south, has been studied in some detail. Headache, fever, and severe myalgia were predominant symptoms. Severe epistaxis and reddened conjunctivae were noted in an unusual number of cases.

A telephone survey (120 persons) revealed roughly similar age-specific attack rates to those found in Hazleton, Iowa, and Potosi, Missouri (See MMWR Vol. 11, No. 2).

Age Group	Number Surveyed	Number Ill	Attack Rate (%)	Number Cases with	
				Epistaxis	Conjunctivitis
0-5	16	10	63	1	0
6-12	24	12	50	4	3
13-18	20	12	60	7	3
19-35	18	6	33	1	1
36-50	23	5	22	0	0
51+	19	2	11	0	0
Total	120	47	39	13	7

Tennessee - Georgia - Many additional counties in both States have had outbreaks of influenza-like illness. Tennessee reports outbreaks from 31 of the 95 counties in the State. Schools have been closed in 7 of these counties. Most of the disease is concentrated in the central part of the State.

Since January 1, Georgia has experienced multiple outbreaks scattered widely throughout the State. Much school absenteeism has been noted with relatively little adult involvement. Two isolations of Influenza B have been obtained from children in the Greater Atlanta area.

Kansas - Kentucky - Both States reported numerous additional involved counties this week. In Kansas, the southern counties have been primarily involved. School absenteeism ranges between 15-50 percent with one school reporting 80 percent absenteeism. In Kentucky, the westernmost counties are involved with absenteeism ranging between 20 and 45 percent.

Texas - Oklahoma - Alabama - These three States report one or more outbreaks of influenza-like disease within their borders. Texas notes elevated school absenteeism in Houston; Alabama notes the same in Mobile and Montgomery; and Oklahoma has experienced school closures in four counties in the center of the State.

New Mexico - Two patients with onset of illness in early and mid-December showed serologic titer rises to Influenza B. They were both from Las Cruces on the Mexican border.

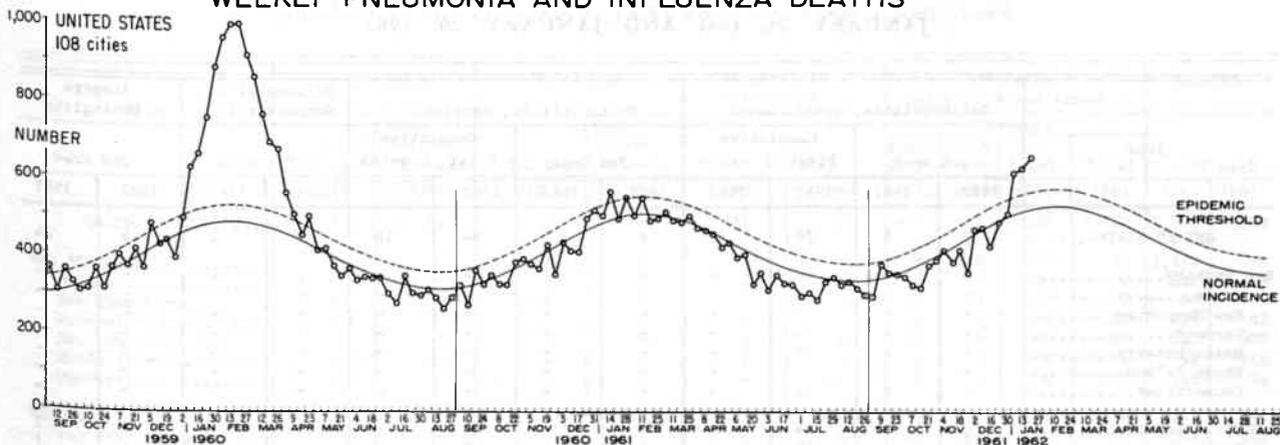
(Thanks are due to the many State Epidemiologists and others who have contributed this information.)

Addendum

The University of Chicago reports an increased incidence of acute febrile respiratory illness at its clinic. An influenza B virus has been isolated from a student.

(Continued on page 24)

WEEKLY PNEUMONIA AND INFLUENZA DEATHS



SUMMARY OF MORTALITY UNDER 1 YEAR OF AGE IN 108 UNITED STATES CITIES

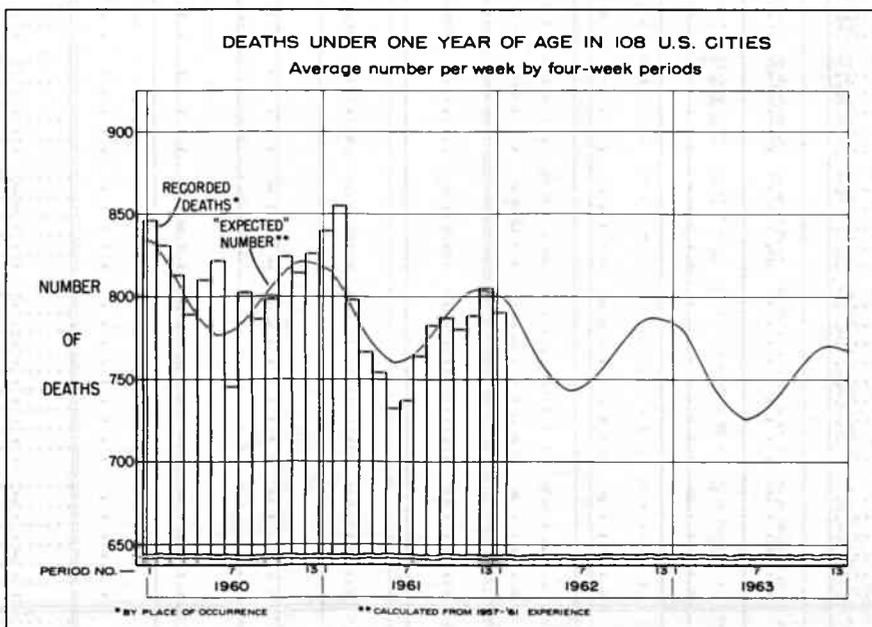
The chart below presents the average weekly number of deaths under one year of age by four-week periods. As in the previous MMWR charts in this series the "expected number" of deaths was computed with use of a Fourier series with linear trend. Week to week variation in the number of infant deaths is large. This is reflected even in the four-week averages presented in the chart.

No excess mortality has occurred among infants during the current Influenza B epidemic. During the week ending December 30th 1961 the number of deaths reported (702) was unusually low as will be noted if this number

is compared with the expected levels (see chart) of slightly over 800 deaths. Similarly, no excess infant mortality occurred during the Influenza A₂ epidemics of 1957-8 and 1960.

DEATHS UNDER ONE YEAR RECORDED IN 108 UNITED STATES CITIES

Week Ending:				4-Week Average
Dec. 30	Jan. 6	Jan. 13.	Jan. 20	
702	794	830	834	790.0



Morbidity and Mortality Weekly Report

23

Table 4 (C). TOTAL DEATHS UNDER 1 YEAR OF AGE IN REPORTING CITIES

(Tables 4(A), 4(B), 4(C), and 4(D) will be published in sequence covering a four-week period, see Chart, page 3)

Area	For weeks ending				Area	For weeks ending			
	12/30/61	1/6/62	1/13/62	1/20/62		12/30/61	1/6/62	1/13/62	1/20/62
NEW ENGLAND:					SOUTH ATLANTIC:				
Boston, Mass.....	14	10	14	11	Atlanta, Ga.....	7	15	16	7
Bridgeport, Conn.....	2	3	1	5	Baltimore, Md.....	17	41	14	14
Cambridge, Mass.....	1	2	2	0	Charlotte, N.C.....	4	4	4	2
Fall River, Mass.....	2	0	2	1	Jacksonville, Fla.....	8	7	4	6
Hartford, Conn.....	3	6	3	10	Miami, Fla.....	2	3	4	6
Lowell, Mass.....	0	1	1	1	Norfolk, Va.....	7	8	2	5
Lynn, Mass.....	2	0	1	1*	Richmond, Va.....	3	9	6	5
New Bedford, Mass.....	1	2	1	1*	Savannah, Ga.....	4	3	3	4
New Haven, Conn.....	3	2	3	8	St. Petersburg, Fla.....	1	3	2	4
Providence, R.I.....	4	1	10	3	Tampa, Fla.....	5	7	1	9
Somerville, Mass.....	1	1	2	0	Washington, D.C.....	13	9	20	40
Springfield, Mass.....	4	2	1	3	Wilmington, Del.....	2	3	4	4
Waterbury, Conn.....	3	2	2	2	EAST SOUTH CENTRAL:				
Worcester, Mass.....	2	1	4	1	Birmingham, Ala.....	4	9	6	4
MIDDLE ATLANTIC:					Chattanooga, Tenn.....	5	1	0	0
Albany, N.Y.....	5	3	1	2	Knoxville, Tenn.....	1	0	3	1
Allentown, Pa.....	0	4	0	1	Louisville, Ky.....	6	6	14	10
Buffalo, N.Y.....	7	5	4	9	Memphis, Tenn.....	11	8	16	6
Camden, N.J.....	4	6	6	7	Mobile, Ala.....	6	5	0	3
Elizabeth, N.J.....	1	0	3	3	Montgomery, Ala.....	4	1	2	5
Erie, Pa.....	1	5	1	3	Nashville, Tenn.....	2	4	5	8
Jersey City, N.J.....	0	0	2	1	WEST SOUTH CENTRAL:				
Newark, N.J.....	11	10	4	2	Austin, Tex.....	1	4	4	4
New York City, N.Y.....	89	91	104	73	Baton Rouge, La.....	4	5	7	2
Paterson, N.J.....	4	5	2	5	Corpus Christi, Tex.....	4	2	4	7
Philadelphia, Pa.....	17	11	43	26	Dallas, Tex.....	23	10	14	4
Pittsburgh, Pa.....	0	17	7	10	El Paso, Tex.....	6	6	3	8*
Reading, Pa.....	0	0	0	3	Fort Worth, Tex.....	6	5	6	4
Rochester, N.Y.....	5	6	4	6	Houston, Tex.....	8	15	12	29
Schenectady, N.Y.....	1	1	3	2	Little Rock, Ark.....	3	9	7	7
Scranton, Pa.....	2	0	1	2	New Orleans, La.....	19	22	22	26
Syracuse, N.Y.....	1	4	2	4	Oklahoma City, Okla.....	7	8	8	9
Trenton, N.J.....	3	3	1	1	San Antonio, Tex.....	10	6	8	16
Utica, N.Y.....	0	0	1	1	Shreveport, La.....	1	7	12	3
Yonkers, N.Y.....	3	0	2	3	Tulsa, Okla.....	4	5	3	3
EAST NORTH CENTRAL:					MOUNTAIN:				
Akron, Ohio.....	2	6	4	5	Albuquerque, N. Mex.....	3	3	8	4
Canton, Ohio.....	1	5	1	2	Colorado Springs, Colo...	0	4	0	3
Chicago, Ill.....	54	62	48	58	Denver, Colo.....	7	10	12	18
Cincinnati, Ohio.....	6	4	10	9	Ogden, Utah.....	1	0	1	2
Cleveland, Ohio.....	13	11	8	15	Phoenix, Ariz.....	7	7	11	9
Columbus, Ohio.....	9	18	5	22	Pueblo, Colo.....	3	0	2	1
Dayton, Ohio.....	7	7	2	3	Salt Lake City, Utah.....	6	5	8	4
Detroit, Mich.....	18	31	39	37	Tucson, Ariz.....	0	3	1	7
Evansville, Ind.....	2	2	2	1	PACIFIC:				
Flint, Mich.....	5	8	2	8	Berkeley, Calif.....	1	1	5	2
Fort Wayne, Ind.....	5	1	1	1	Fresno, Calif.....	4	1	7	6
Gary, Ind.....	3	4	3	6	Glendale, Calif.....	3	2	3	2
Grand Rapids, Mich.....	4	6	2	6	Honolulu, Hawaii.....	3	6	9	11
Indianapolis, Ind.....	15	14	13	7	Long Beach, Calif.....	4	1	2	2
Madison, Wis.....	5	3	6	2	Los Angeles, Calif.....	32	32	37	36
Milwaukee, Wis.....	4	6	15	7	Oakland, Calif.....	6	7	4	2
Peoria, Ill.....	3	6	6	1	Pasadena, Calif.....	1	3	3	3
Rockford, Ill.....	0	2	4	1	Portland, Oreg.....	4	1	9	8
South Bend, Ind.....	3	1	3	2	Sacramento, Calif.....	4	3	6	5
Toledo, Ohio.....	3	3	6	5	San Diego, Calif.....	5	8	17	9
Youngstown, Ohio.....	2	3	2	0	San Francisco, Calif.....	9	5	11	7
WEST NORTH CENTRAL:					San Jose, Calif.....	4	2	2	4
Des Moines, Iowa.....	4	3	3	1	Seattle, Wash.....	6	5	8	10
Duluth, Minn.....	1	1	3	2	Spokane, Wash.....	7	4	2	3
Kansas City, Kans.....	3	2	5	3	Tacoma, Wash.....	5	0	4	2
Kansas City, Mo.....	9	6	6	10	San Juan, P.R.....				
Lincoln, Nebr.....	2	6	2	1	1	2	3	1	
Minneapolis, Minn.....	8	8	8	6	Current Week Mortality for 108 Selected Cities +				
Omaha, Nebr.....	1	9	4	3	4(A) Total Mortality, all ages.....	12,693			
St. Louis, Mo.....	10	14	16	20	4(B) Pneumonia-Influenza Deaths, all ages.....	655			
St. Paul, Minn.....	8	4	3	6	4(C) Total Deaths under 1 Year of Age.....	834			
Wichita, Kans.....	2	6	7	1	4(D) Total Deaths, Persons 65 years and over.....	7,141			

*Estimate - based on average percent of divisional total
 +Includes estimates for missing reports

NOTE: All deaths by place of occurrence.

HEPATITIS – For the week ending January 20, 1,580 cases of hepatitis were reported. Though 195 cases more than in the previous week, and the highest since May 1961, the 1,580 cases represent 223 fewer cases than were reported for the corresponding week in 1961.

INTERNATIONAL NOTES – QUARANTINE MEASURES

Smallpox – Europe

England – Five separate importations of smallpox from Pakistan into England have occurred in the past 5 weeks. These have resulted in a total of 16 cases with 6 deaths. The imported cases had onsets of illness as follows: 1) December 23, Bradford; 2) December 28, Birmingham; 3) December 28, London; 4) January 8, Birmingham; 5) January 13, Cardiff, Wales. Ten cases of smallpox secondary to the Bradford case have had onsets of illness between January 6 and January 14. Four deaths have occurred among the secondary cases. The two additional deaths occurred among the imported Bradford and London cases. An additional patient, a contact of the first Birmingham case, had onset of illness on January 11 in Tipton.

The diagnosis of smallpox was not made on the initial Bradford case until a number of contacts had developed smallpox. The initial Bradford case was a 9-year-old Pakistani child who arrived in England on December 17 and was hospitalized in Bradford on December 23 with malaria. A petechial rash appeared just prior to death, but was unexplained until the cases of smallpox occurred.

Dusseldorf, Germany – A fourth case of smallpox has occurred in Dusseldorf, Germany. The case occurred in the nurse who had taken care of the three initial cases. The nurse became ill on January 12 and died on January 20. Vaccination had been unsuccessful on January 1, 1962, and revaccination had been carried out on January 6, 1962.

In addition to the established procedures for reporting morbidity and mortality, the Communicable Disease Center welcomes accounts of interesting outbreaks or cases. Such accounts should be addressed to:

Editor, Morbidity and Mortality Weekly Report
Communicable Disease Center
Atlanta 22, Georgia

Notes: These provisional data are based on weekly telegrams to the Communicable Disease Center by the individual State health departments.

Symbols: --- Data not available
- Quantity zero

Procedures for construction of various mortality curves may be obtained from Statistics Section, Communicable Disease Center, Public Health Service, U. S. Department of Health, Education, and Welfare, Atlanta 22, Georgia.

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81
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PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta 22, Georgia
Official Business

The Morbidity and Mortality Weekly Report is published by the Communicable Disease Center, Atlanta, Georgia, and as of January 1, 1962 had a circulation of 8,700 copies.

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